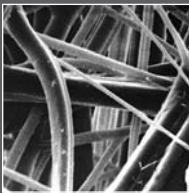


# PEPLYN AIR

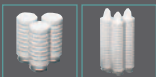


- Cost effective prefiltration
- Absolute micron rating range from 1.0 - 25 micron
- High flow rates and long life
- GRADED DENSITY - for excellent particle retention
- Steam sterilisable
- No release of particles even during system pressure fluctuations

PEPLYN AIR filter cartridges have been specifically designed to guarantee removal of particulate from gas streams. They can be used to protect sterilising grade filters in pressurised systems or in exhaust gas vent applications. PEPLYN AIR is particularly suitable for

- Inlet gas in the fermentation industry as protection to sterilising grade filters where polypropylene media is preferred
- As protection to sterilising grade filters in exhaust gas systems
- Vent applications
- Systems where high particulate loading is expected
- Prefiltration to protect final, sterilising grade filters
- PEPLYN AIR has the ability to be steam sterilised and has a broad range of chemical compatibility.

available formats



## Technical Specifications

### Materials of Construction

Filtration Media	:	Meltblown Polypropylene
Upstream Support	:	Polypropylene
Downstream Support	:	Polypropylene
Inner Support Core	:	316L Stainless Steel
Outer Protection Cage	:	Polypropylene
End Caps	:	Polypropylene
Standard o-rings / gaskets	:	Silicone

### Food and Biological Safety

Materials conform to the relevant requirements of 21CFR Part 177 and current USP Plastics Class VI - 121°C and ISO10993 equivalents.

### Effective Filtration Area\*

Up to 0.49 m<sup>2</sup> (5.28 ft<sup>2</sup>) per 250 mm (10" module).

\*varies with micron rating

### Recommended Operating Conditions

The maximum differential pressure in direction of flow (outside to in) is 3.5 bar (50.8 psi) at 20°C (68°F). The maximum recommended continuous operating temperature is 50°C (122°F). Capsules may be operated up to a temperature of 40°C (104°F) at line pressures up to 4.0 barg (58 psi).

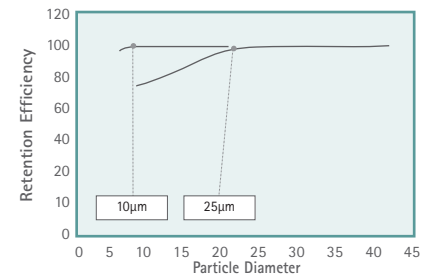
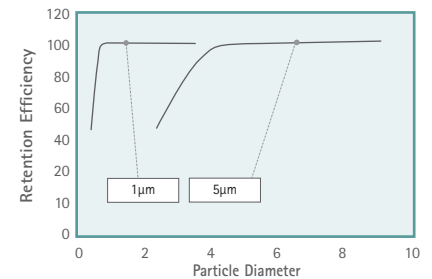
### Sterilisation

PEPLYN AIR cartridges can be repeatedly in situ steam sterilised or autoclaved up to 142°C (288°F). Capsules can be repeatedly autoclaved up to 135°C (275°F).

### Determination of Micron Ratings

Particle removal efficiencies of PEPLYN AIR cartridges have been determined independently by challenging with a cut silica test dust, generated by BUS1701 dust injector used in conjunction with laser particle counters.

### Micron Efficiency Ratings

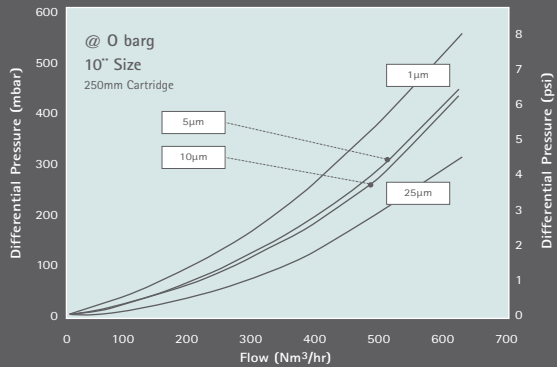


### Pharmaceutical Validation

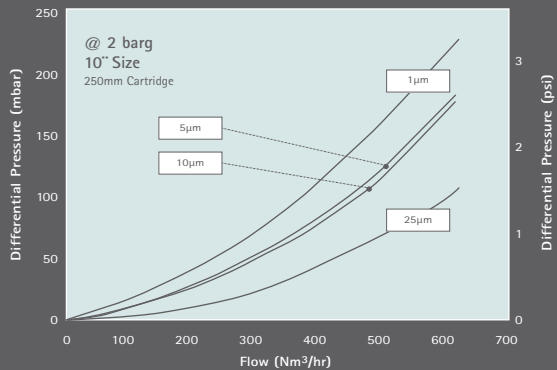
A full validation guide is available upon request with Lab Services Group (LSG) support for specific individual requirements.

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# Cartridge Flow Rates

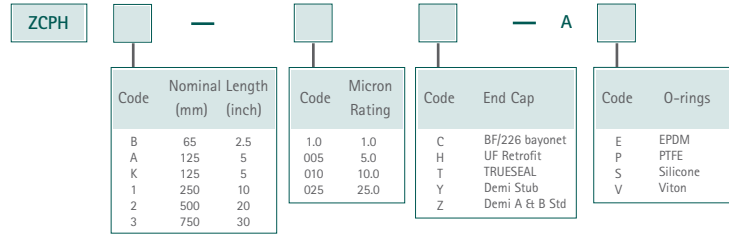


Flow rates for other sizes available upon request



Flow rates for other sizes available upon request

## Cartridges



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